



Attorney's Docket No.: 10722-005001

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Applicant : Nesbitt W. Hagood, IV et al. Art Unit : 2834
Serial No. : 09/584,881 Examiner : Dougherty
Filed : June 1, 2000
Title : ELECTRICAL POWER EXTRACTION FROM MECHANICAL
DISTURBANCES

Commissioner for Patents
Washington, D.C. 20231

RESPONSE

In response to the action mailed February 21, 2002, please amend the application as follows:

In the Claims:

Please amend claims 5, 6, 8-10, 12-14, 16-18, and 20 to read as follows:

5. (Amended) A system for extracting power, comprising:

a' cont.

a transducer that converts mechanical power to electrical power, the transducer configured for coupling to a disturbance,

an electrical circuit connected across the transducer such that a peak voltage experienced by the transducer is greater than two times higher than any peak voltage of an open circuit transducer due to the disturbance alone, the electrical circuit including

an inductor including first and second terminals, the first terminal being connected to a first terminal of the transducer,

a first subcircuit connected to the second terminal of the inductor and a second terminal of the transducer, the first subcircuit including a switch, and

a second subcircuit connected to the second terminal of the inductor and the second terminal of the transducer, the second subcircuit including a switch, and

a storage element connected to the electrical circuit for storing extracted power.

6. (Amended) A system for extracting power, comprising:

a transducer that converts mechanical power to electrical power, the transducer configured for coupling to a disturbance,